PDX-5

4 CHANNEL + MONO POWER AMPLIFIER

- OWNER'S MANUAL
  Please read this manual to maximize your enjoyment of the outstanding performance and feature capabilities of the equipment, then retain the manual for future reference.
- MODE D'EMPLOI
  Veuillez lire ce mode d'emploi pour tirer pleinement profit des excellentes performances et fonctions de cet appareil, et conservez-le pour toute référence future.
- MANUAL DE OPERACIÓN
  Lea este manual, por favor, para disfrutar al máximo de las excepcionales prestaciones y posibilidades funcionales que ofrece el equipo, luego guarde el manual para usarlo como referencia en el futuro.

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ENGLISH

Introduction:
Please read this OWNER'S MANUAL thoroughly to familiarize yourself with each control and function. We at ALPINE hope that your new PDX-5 will give you many years of listening enjoyment.
In case of problems when installing your PDX-5, please contact your authorized ALPINE dealer.
CAUTION: These controls are for tuning your system. Please consult your authorized Dealer for adjustment.

⚠ **WARNING**	This symbol means important instructions. Failure to heed them can result in serious injury or death.
⚠ **CAUTION**	This symbol means important instructions. Failure to heed them can result in injury or property damages.

⚠ WARNING

- **DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.** Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.
- **KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.** Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.
- **DO NOT DISASSEMBLE OR ALTER.** Doing so may result in an accident, fire or electric shock.
- **USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.** Use for other than its designed application may result in fire, electric shock or other injury.
- **USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.** Failure to do so may result in fire or electric shock.
- **DO NOT BLOCK VENTS OR RADIATOR PANELS.** Doing so may cause heat to build up inside and may result in fire.
- **MAKE THE CORRECT CONNECTIONS.** Failure to make the proper connections may result in fire or product damage.
- **USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.** (Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.
- **BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.** Failure to do so may result in electric shock or injury due to electrical shorts.
- **DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.** Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.
- **DO NOT SPLICE INTO ELECTRICAL CABLES.** Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.
- **DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.** When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.
- **DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.** Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.
- **KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.** Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

⚠ CAUTION

- **HALT USE IMMEDIATELY IF A PROBLEM APPEARS.** Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.
- **HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.** The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.
- **USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.** Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.
- **ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.** Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.
- **DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.** Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

SERVICE CARE

◆ IMPORTANT NOTICE

This Amplifier has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules. This equipment generates and uses radio frequency energy, and it must be installed and used properly in accordance with the manufacturer's instructions.

SERIAL NUMBER: _____
INSTALLATION DATE: _____
INSTALLATION TECHNICIAN: _____
PLACE OF PURCHASE: _____

◆ IMPORTANT

Please record the serial number of your unit in the space provided here and keep it as a permanent record. The serial number plate is located on the rear of the unit.

SPECIFICATIONS

RMS Continuous Power (at 14.4V, 20Hz – 20kHz, FULL RANGE)
- Per channel into 4 ohms (≤1% THD + N) ..... 75W x 4

RMS Continuous Power (at 14.4V, 20 – 200Hz, MONO)
- Per channel into 4 ohms (≤1% THD + N) ..... 300W x 1
- Per channel into 2 ohms (≤1% THD + N) ..... 300W x 1

S/N Ratio (IHF A Weighted, Reference: rated power into 4 ohms)
- FULL RANGE ..... 96 dBA
- MONO ..... 100 dBA

S/N Ratio (IHF A Weighted, CEA2006, Reference: 1W into 4 ohms)
- FULL RANGE ..... 77 dBA
- MONO ..... 75 dBA

Input Impedance
- FULL RANGE ..... 10k ohms
- MONO ..... 10k ohms

Frequency Response
- FULL RANGE (+ 0, – 1dB) ..... 20Hz – 20k Hz
- MONO (200Hz / – 3dB) ..... 20 – 200 Hz

Crossover Frequency (FULL RANGE, OFF / LPF / HPF Selectable, Independent Variable)
- 1/2 ch ..... 30 – 400 Hz (–12 dB / oct.)
- 3/4 ch ..... 30 – 400 Hz (–12 dB / oct.)

Crossover Frequency (MONO, LPF, Variable)
- MONO ..... 50 – 200 Hz (–24 dB / oct.)

Input Sensitivity (at 10k ohms) ..... 0.2 – 4 V

Dimensions
- Width ..... 257mm (10 – 1/8")
- Height ..... 62mm (2 – 7/16")
- Depth ..... 192mm (7 – 9/16")

Weight 3.11kg

NOTES:
- "FULL RANGE" and "MONO" described above indicate the following channels.
  FULL RANGE: CH1 – CH4
  MONO: SUB W. CH
- For product improvement, specifications and design are subject to change without notice.

ACCESSORIES

- Self-Tapping Screw (M4 x 40, see ① of Fig. 2 on the left) 4
- Speaker Plug 5
- Hexagonal Wrench ..... 1 SET

INSTALLATION (Fig. 1 - Fig. 4)

With this series of amplifiers, up to three units can be stacked together in a typical installation. Depending on the number of units you wish to install, refer to instructions A to C below.

⚠ CAUTION

◆ **Caution on connection terminals/parts**
- Do not allow other objects (particularly electrically conductive) to get too close or in contact with any of the unit's terminals/parts (power supply, fuse, speaker output terminal, RCA connector, etc.). Doing so may result in short circuit or accident.

Note:
When stacking amplifiers, do not install horizontally or at an incline. Any installation other than parallel to the vehicle floor, invalidates the warranty.

Preparation for installation
1. Using the amplifier as a template, mark the four screw locations.
2. Make sure there are no objects behind the surface that may become damaged during drilling.
3. Drill the screw holes.
4. Position the PDX-5 over the screw holes, and secure with four self-tapping screws.

NOTE:
To securely connect the ground lead, use an already installed screw on the metal part of the vehicle (marked ★). Be sure this is a good ground by checking continuity to the battery (–) terminal. As much as possible connect all equipment to the same ground point. These procedures will help eliminate noise.

A. Single unit installation
1. Position the unit over the screw holes you prepared earlier.
2. Remove the four corner top caps on top using the hexagon wrench (large, supplied). Refer to fig.1.
3. Fasten the unit down with the four self-tapping screws (M4 x 40, supplied).Refer to fig.2.

   NOTE:
   A magnetic screwdriver is recommended to prevent the screw being dropped while tightening.
4. Re-attach the four top caps and hand-tighten.

B. Stack installation of two units
1. Firstly, securely install one unit, as described in steps 1-3 of A above.
2. Attach the four joint caps (supplied with connected amplifier) in the four corners of the first unit with 2 machine screws (M2.6 x 14, supplied with connected amplifier) per each cap. Refer to fig.3.
3. Stack the second unit on top of the installed unit, aligning the second unit's feet with the joint caps of the first unit.
4. Remove the four corner top caps of the second unit using the hexagon wrench (large,supplied).
5. Insert the four machine screws (M4 x 36, supplied with connected amplifier) through the top of the second unit into the four joint caps of the lower unit to connect them together. Refer to fig.4
6. Re-attach the four top caps and hand-tighten.

C. Stack installation of three units
1. Firstly, securely install the first two units firmly as described in steps 1 to 5 of B above.
2. Next, install the third unit as described for the second unit in B above. With this, stack installation of the 3 units is completed.

INSTALLATION/INSTALLATION/INSTALACIÓN

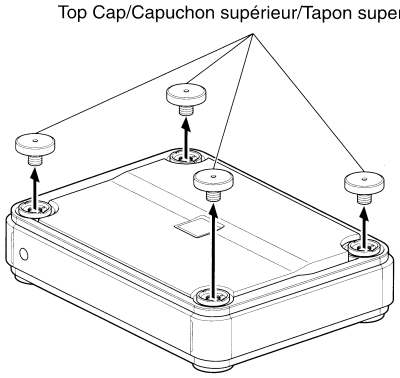


Fig. 1

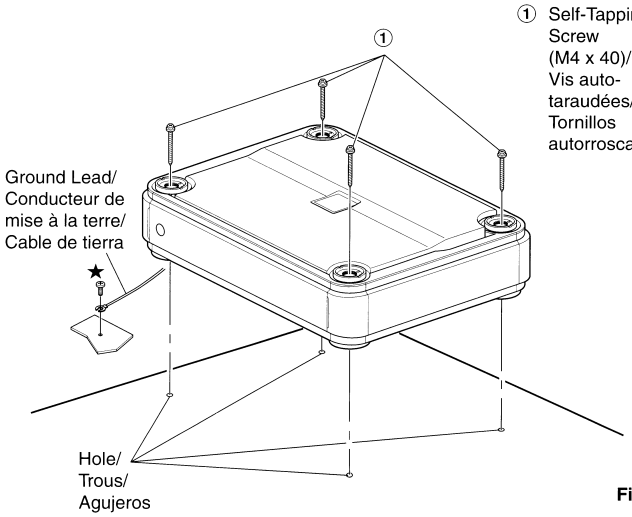

① Self-Tapping Screw (M4 x 40)/ Vis auto-taraudées/ Tornillos autorroscantes
Ground Lead/ Conducteur de mise à la terre/ Cable de tierra
Hole/ Trous/ Agujeros

Fig. 2

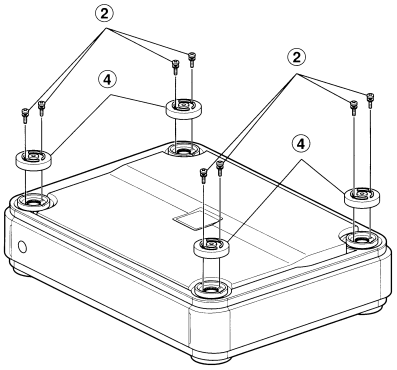


Fig. 3

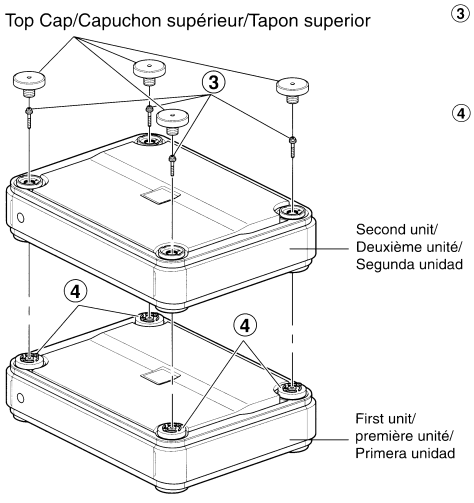

Top Cap/Capuchon supérieur/Tapon superior
③ Machine Screw (M4 x 36)/ Vis mécanique/ Tornillo mecánico
④ Joint Cap/ Capuchon de joint/ Tapon de junta
Second unit/ Deuxième unité/ Segunda unidad
First unit/ première unité/ Primera unidad

Fig. 4

CONNECTIONS/CONNEXIONS/CONEXIONES

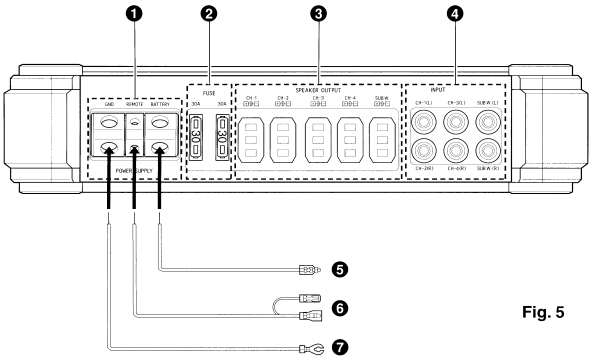


Fig. 5

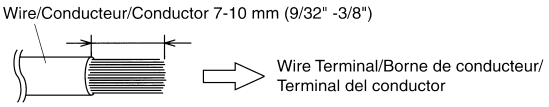


Fig. 6

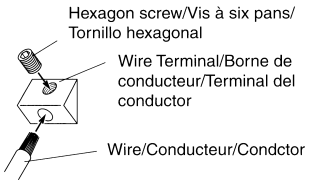
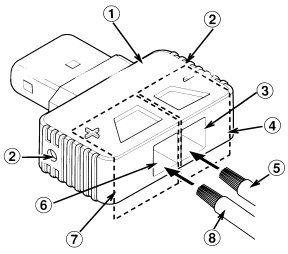


Fig. 7



① Speaker plug/Prise du haut-parleur/Toma del altavoz
② Hexagon screw hole/Orifice de la vis à six pans/Agujero de tornillo hexagonal
③ Negative lead terminal hole/Orifice de la borne du conducteur négatif/Agujero del terminal del conductor negativo
④ Speaker negative terminal/Borne négative du haut-parleur/Terminal negativo del altavoz
⑤ Speaker wire (negative)/Câble du haut-parleur (négatif)/Cable del altavoz (negativo)
⑥ Positive lead terminal hole/Orifice de la borne du conducteur positif/Agujero del terminal del conductor positivo
⑦ Positive speaker terminal/Borne positive du haut-parleur/Terminal positivo del altavoz
⑧ Speaker wire (positive)/Câble du haut-parleur (positif)/Cable del altavoz (positivo)

Fig. 8

SWITCH SETTINGS/RÉGLAGES DE COMMUTATEUR/AJUSTES DEL INTERRUPTOR

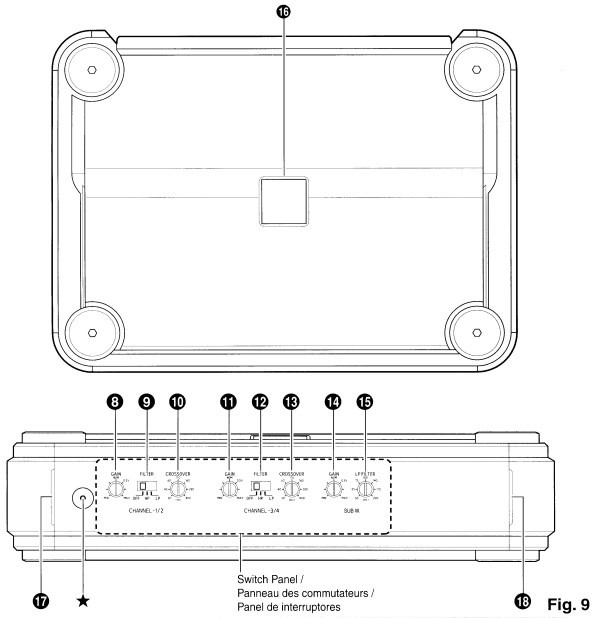


Fig. 9

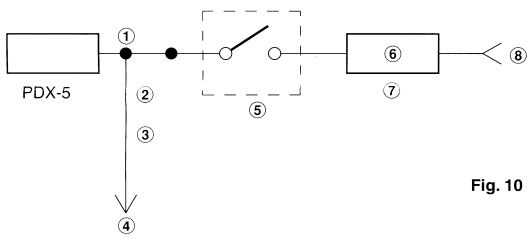


Fig. 10

CONNECTIONS (Fig. 5 - Fig. 8)

Before making connections, be sure to turn the power off to all audio components. Connect the yellow battery lead from the amp directly to the positive (+) terminal of the vehicle's battery. Do not connect this lead to the fuse block.

CAUTION

◆ Caution on connection terminals/parts

- Do not allow other objects (particularly electrically conductive) to get too close or in contact with any of the unit's terminals/parts (power supply, fuse, speaker output terminal, RCA connector, etc.). Doing so may result in short circuit or accident.

To prevent external noise from entering the audio system.

- Locate the unit and route the leads at least 10 cm (3-15/16") away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

❶ Power Supply Terminal

❷ Fuse

❸ Speaker Output Terminals
Referring to "Cautions on speaker wire connections", insert the speaker wire into the speaker plug, which is then inserted in the speaker output terminal.

Note:

- Fully insert the speaker plug to avoid poor connection, or the wire coming loose due to vehicle vibration, etc.
- The speaker plug can be connected either way, regardless of polarity indication.
- Do not connect speaker leads together or to chassis ground.
- The speaker plug is the same shape for both full-range and monaural connection. Be sure to connect the full range plugs to the CH-1 – CH-4 terminals, and the monaural plug to the SUB W. terminal.

❹ RCA Input Jacks
Connect these jacks to the line out leads on your head unit using RCA extension cables (sold separately).

❺ Battery Lead (sold separately)
Be sure to add a a fuse as close as possible to the battery's positive (+) terminal. This fuse will protect your vehicle's electrical system in case of a short circuit. If you need to extend this lead, only use AWG4 (the wire gauge) for this connection.

❻ Remote Turn-On Lead (sold separately)
Connect this lead to the remote turn-on or power antenna (positive trigger, (+) 12V only) lead of your head unit.

❼ Ground Lead (sold separately)
Connect this lead securely to a clean, bare metal spot on the vehicle's chassis. Verify this point to be a true ground by checking for continuity between that point and the negative (–) terminal of the vehicle's battery. Ground all your audio components to the same point on the chassis to prevent ground loops.
Only use AWG4 (the wire gauge) for this connection.

◆ Cautions on Power Wire connections

The power wire cannot be connected until its end has been stripped. Below explains how to connect the stripped end of the power wire.

Note:

- Use the supplied hexagon screws for this connection. It is highly recommended that this be carried out by the dealer.
- If you make this connection yourself, ensure the connection is correct by following the instructions below carefully.
- Be sure to use the supplied hexagon screws for this connection.
- For safety reasons, connect the battery wire last.
- To prevent disconnection of the leads or dropping of the unit, do not carry the unit by the wire.
- Be sure to add a fuse as close as possible to the battery. Make sure to use a fuse of the correct rating for the power wire.

1. Check the wire gauge.
   Notes:
   - Only AWG4 (the wire gauge) is recommended to use for this connection.
   - If in doubt, consult your dealer or Customer Support regarding correct wire gauge to use.
2. Strip back between 7-10mm (9/32"-3/8") of the power wire's insulation to expose the conductor.
   Notes:
   - If the length of the exposed conductor is too short, a poor connection may occur causing operation failure or sound interruption.
   - Conversely, if the exposed conductor is too long, an electrical short-circuit may occur.
3. Loosen the unit's wire terminal hexagon screws, and insert the exposed conductor into the terminal and finally tighten to secure the connection.
4. Verify that the power wire is connected securely.

◆ Cautions on speaker wire connections

When you connect the speaker wire to the unit, you need to insert the speaker wire into the speaker plug. Below explains how to insert the speaker wire into the speaker plug.

1. Check the wire gauge.
   Notes:
   - The available speaker wire gauge for this unit is AWG8-AWG16.
   - If in doubt, consult your dealer regarding correct wire gauge to use.
2. Strip back between 7-10mm (9/32"-3/8") of the wire's insulation to expose the conductor.
   Notes:
   - If the length of the exposed conductor is too short, a poor connection may occur causing operation failure or sound interruption.
   - Conversely, if the exposed conductor is too long, an electrical short-circuit may occur.
3. Loosen fully the speaker plug's 2 hexagon screws using the hexagon wrench (small, supplied).
4. Insert fully the exposed conductor of the speaker wire into the wire terminal hole. Refer to Fig.8.
   Note:
   - Insert the speaker wire observing the +/– indications on the speaker plug. Insert the positive speaker wire into the positive speaker terminal, and the negative speaker wire into the negative speaker terminal.
5. Tighten the 2 hexagon screws using the hexagon wrench (small, supplied).

SWITCH SETTINGS (Fig. 9)

To make adjustments 8 – 15 below, remove the hexagon screw (indicated by ★ in the illustration) using the small, hexagon wrench (supplied). Remove the control cover.

❾, ⓫ Input Gain Adjustment Control (CH-1/2, CH-3/4)
Set the PDX-5 input gain to the minimum (4V) position. Using a dynamic CD as a source, increase the head unit volume until the output distorts. Then, reduce the volume 1 step (or until the output is no longer distorted). Now, increase the amplifier gain until the sound from the speakers becomes distorted. Reduce the gain slightly so the sound is no longer distorted to achieve the optimum gain setting.

❾, ⓬ Crossover Mode Selector Switch

a) Set to the "LP" position when the amplifier is used to drive a subwoofer. The frequencies above the crossover point will be attenuated at 12 dB/octave.

b) Set to the "HP" position when the amplifier is used to drive a tweeter/midrange system. The frequencies below the crossover point will be attenuated at 12 dB/octave.

c) Set to the "OFF" position when the amplifier will be used for driving full-range speakers. The full frequency bandwidth will be output to the speakers with no high or low frequency attenuation.

⓭ Status Indicator
Lights up when power is on. You can confirm the amplifier status by how the indicator is lit, as shown in the table below. Turn off when power is off.

Indicator status		Status	Solution
Blue	Red		
on	——	Amplifier circuit is normal.	——
——	on	Amplifier circuit is abnormal. An electrical short has occurred, or supply current is too high.	Remove the battery cable and eliminate the cause. Then turn on the unit and verify that the indicator color has changed to blue. If it remains red, turn off the unit and consult your dealer.
——	on	Battery voltage is too high.	Find the cause of the excessive voltage. Eliminate the cause and the indicator color changes to blue.
——	on	Ambient temperature is too high.	Decrease the vehicle's interior temperature to a normal level. The indicator color changes to blue.
——	Blinking	Output protection (due to high temperature) is activated.	Decrease the vehicle's interior temperature to a normal level. Output protection is released and the indicator color changes to blue.

⓮, ⓭ Crossover Frequency Adjustment Knob
Permits the adjustment of the crossover frequency. Rotate the knob to select any frequency between 30 and 400 Hz as the crossover point.

⓮ Input Gain Adjustment Control (SUB W.)
Set the PDX-5 input gain to the minimum position. Using a dynamic CD as a source, increase the head unit volume until the output distorts. Then, reduce the volume 1 step (or until the output is no longer distorted). Now, increase the amplifier gain until the sound from the speakers becomes distorted. Reduce the gain slightly so the sound is no longer distorted to achieve the optimum gain setting.

⓯ Crossover Frequency Adjustment Knob (LP FILTER)
Permits the adjustment of the crossover frequency. Rotate the knob to select any frequency between 50 and 200 Hz as the crossover point.

⓰, ⓱ Power Indicator
Lights up when power is on.
Is off when power is off.

CONNECTION CHECK LIST (Fig.10)

Please check your head unit for the conditions listed below: (Fig. 10)

a. The head unit does not have a remote turn-on or power antenna lead.
b. The head unit's power antenna lead is activated only when the radio is on (turns off in the tape or CD Mode).
c. The head unit's power antenna lead is logic level output (+) 5V, negative trigger (grounding type), or cannot sustain (+) 12V when connected to other equipment in addition to the vehicle's power antenna. If any of the above conditions exist, the remote turn-on lead of your PDX-5 must be connected to a switched power source (ignition) in the vehicle. Be sure to use a 3A fuse as close as possible to this ignition tap. Using this connection method, the PDX-5 will turn on and stay on as long as the ignition switch is on.

If this is objectionable, a SPST (Single Pole, Single Throw) switch, in addition to the 3A fuse mentioned above, may be installed in-line on the PDX-5 turn-on lead. This switch will then be used to turn on (and off) the PDX-5. Therefore, the switch should be mounted so that is accessible by the driver. Make sure the switch is turned off when the vehicle is not running. Otherwise, the amplifier will remain on and drain the battery.

① Remote Turn-On Lead
② Power Antenna
③ Remote Turn-On Lead
④ To other Alpine components' Remote Turn-On Leads
⑤ SPST Switch (optional)
⑥ Fuse (3A)
⑦ As close as possible to the vehicle's ignition tap
⑧ Ignition Source

TYPICAL SYSTEM CONNECTIONS/CONNEXIONS TYPIQUES DU SYSTEME/CONEXIONES TIPICAS DEL SISTEMA

[English]
- ❺ Battery Lead (sold separately)
- ❻ Remote Turn-on Lead (sold separately)
- ❼ Ground Lead (sold separately)
- ㉑ Front Left Speaker (sold separately)
- ㉒ Front Right Speaker (sold separately)
- ㉓ Rear Left Speaker (sold separately)
- ㉔ Rear Right Speaker (sold separately)
- ㉕ Subwoofer (sold separately)
- ㉖ RCA Extension Cable (sold separately)
- ㉙ Head Unit, etc.
- ㉚ Y-Adaptor (sold separately)

[Français]
- ❺ Conducteur de la batterie (vendu séparément)
- ❻ Conducteur de mise sous tension télécommandée (vendu séparément)
- ❼ Conducteur de mise à la terre (vendu séparément)
- ㉑ Haut-parleur avant gauche (vendu séparément)
- ㉒ Haut-parleur avant droit (vendu séparément)
- ㉓ Haut-parleur arrière gauche (vendu séparément)
- ㉔ Haut-parleur arrière droit (vendu séparément)
- ㉕ Haut-parleur de sous-graves (vendu séparément)
- ㉖ Câble d'extension RCA (vendu séparément)
- ㉙ Unité principale, etc.
- ㉚ Adaptateur en forme de « Y » (vendu séparément)

[Español]
- ❺ Cable de la batería (vendido separadamente)
- ❻ Cable para encendido remoto (vendido separadamente)
- ❼ Cable de tierra (vendido separadamente)
- ㉑ Altavoz delantero izquierdo (vendido separadamente)
- ㉒ Altavoz delantero derecho (vendido separadamente)
- ㉓ Altavoz trasero izquierdo (vendido separadamente)
- ㉔ Altavoz trasero derecho (vendido separadamente)
- ㉕ Altavoz de subgraves (vendido separadamente)
- ㉖ Prolongador eléctrico RCA (vendido separadamente)
- ㉙ Toma del altavoz
- ㉙ Unidad principal, etc.
- ㉚ Adaptador en forma de "Y" (vendido separadamente)

5 Speaker System/Système de 5 haut-parleurs/Sistema de 5 altavoces

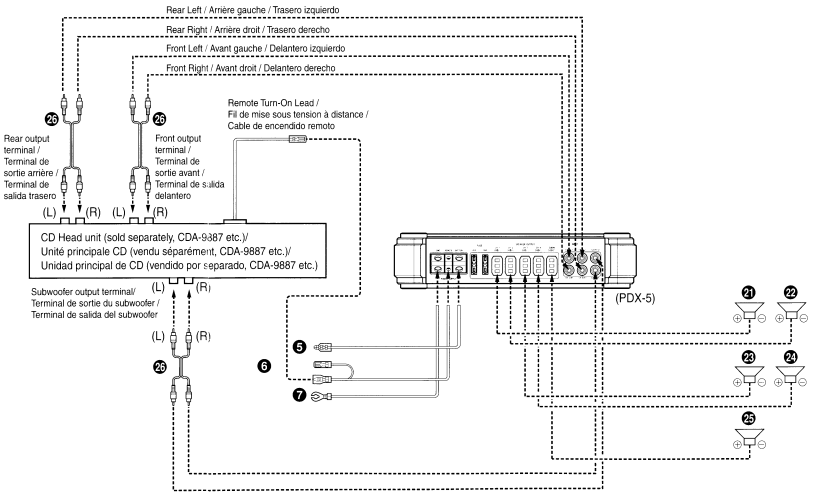

Rear Left / Arrière gauche / Trasero izquierdo
Rear Right / Arrière droit / Trasero derecho
Front Left / Avant gauche / Delantero izquierdo
Front Right / Avant droit / Delantero derecho
Remote Turn-On Lead / Fil de mise sous tension à distance / Cable de encendido remoto
Rear output terminal / Terminal de sortie arrière / Terminal de salida trasero
Front output terminal / Terminal de sortie avant / Terminal de salida delantero
CD Head unit (sold separately, CDA-9387 etc.)/ Unité principale CD (vendu séparément, CDA-9887 etc.)/ Unidad principal de CD (vendido por separado, CDA-9887 etc.)
Subwoofer output terminal/ Terminal de sortie du subwoofer / Terminal de salida del subwoofer
(PDX-5)

Fig. 11

Important Tips on Bridging an Amplifier/Conseils importants lors de la mise en pont d'un amplificateur/ Consejos importantes cuando conecte en puente un amplificador

NOTE:
The following problems may occur when not properly connected.
1) If only one input per channel is used, low output results.
2) Using only one input per channel may cause overheating. This could result in prematurely triggering overheating protection.

REMARQUE:
Les problèmes suivants peuvent se produire quand il n'est pas correctement relié.
1) L'utilisation d'une seule entrée par canal réduit le niveau de sortie.
2) L'utilisation d'une seule entrée par canal peut provoquer une surchauffe. Celle-ci peut entraîner un déclenchement prématuré de la protection de surchauffe.

NOTA:
Podrían surgir los siguientes problemas si la conexión no se realiza correctamente.
1) Si solamente se utiliza una entrada por canal, la potencia obtenida será baja.
2) Si solamente se utiliza una entrada por canal, la unidad podría sobrecalentarse. Como resultado, podría activarse antes de tiempo el dispositivo de protección frente a sobrecalentamiento.

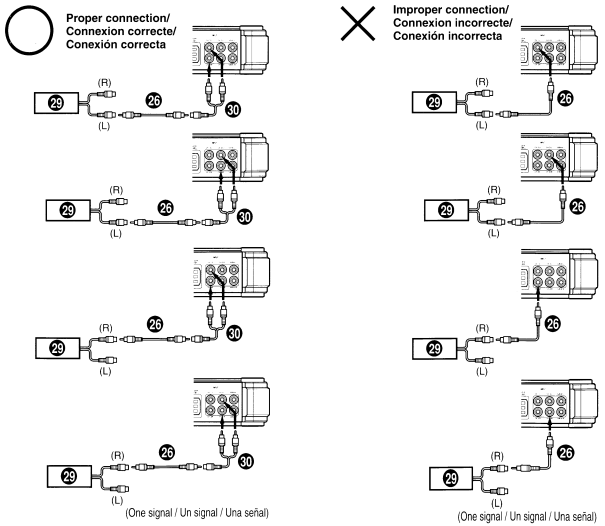

Proper connection/ Connexion correcte/ Conexión correcta
Improper connection/ Connexion incorrecte/ Conexión incorrecta
(One signal / Un signal / Una señal)
(One signal / Un signal / Una señal)

Fig. 12

ALPINE®

Verification Certificate

PASSED

Date : 2008. 3. 21

Load Impedance : 4ohms

Model : PDX-5

Test Voltage : 14.4V D.C.

Serial : k[redacted]

ACTUAL TEST MEASUREMENT

• TEST	• SPECIFICATION	• ACTUAL
Output Power(RMS) (Per Channel)	75 W min. (Full-Range)	108 W
Output Power(RMS) (Per Channel)	300 W min. (Subwoofer)	361 W

ALPINE ELECTRONICS, INC.

ALPINE®

Mobile Media Solutions

PDX-5

4 CHANNEL+MONO POWER AMPLIFIER
AMPLIFICATEUR 4 CANAUX+MONO

- EXTREME POWER DENSITY 4 CHANNEL FULL RANGE PLUS MONO SUBWOOFER AMPLIFIER
- UNIQUE STACKING INSTALLATION
- QUICK CONNECT SPEAKER TERMINAL
- HIGH EFFICIENCY DIGITAL CIRCUIT DESIGN
- VARIABLE HP/LP CROSSOVER

- AMPLIFICATEUR 4 CANAUX+MONO(POUR SUBWOOFER)
- PROCEDE D'INSTALLATION EXCLUSIF
- BORNIER HP A CONNEXION RAPIDE
- DESIGN DE CIRCUIT DIGITAL A HAUT RENDEMENT
- FILTRE ACTIF PH/PB VARIABLE

75W RMS x 4 4Ω, ≤1% THD+N, 14.4V
300W RMS x 1 4Ω/2Ω, ≤1% THD+N, 14.4V
S/N: 77 dBA (ref: 1 Watt into 4Ω), Full Range channels
S/N: 75 dBA (ref: 1 Watt into 4Ω), Subwoofer channel

Amplifier Power Standard CEA CEA-2006 Compliant

MADE IN CHINA
DESIGNED BY ALPINE JAPAN

FABRIQUE EN CHINE
CONÇU PAR ALPINE JAPON

ALPINE. Customer Care Registration

For easy on-line registration, go to "www.alpine-usa.com/registration"

Thank you for choosing Alpine! Please register your product with us so we can serve you better.

SEAL HERE

First name: _____

Last name: _____

Home address: _____
Street address

_____

_____ _____ _____
City State/Prov. Zip Code

May we contact you at this address? 1. ☐ Yes 2. ☐ No

Phone number: ( ) _____

May we contact you at this number? 1. ☐ Yes 2. ☐ No

E-mail Address: _____

May we contact you by e-mail? 1. ☐ Yes 2. ☐ No

Gender 1. ☐ Male 2. ☐ Female

Date of Birth Month: _____ Year: _____

Marital Status 1. ☐ Single 2. ☐ Married

Which ethnicity best describes yourself:

1. ☐ Caucasian
2. ☐ Hispanic
3. ☐ African-American
4. ☐ Asian
5. ☐ Other _____

Your highest level of education completed:

1. ☐ High School Student
2. ☐ High School Graduate
3. ☐ 2 Yr. Degree/Some College
4. ☐ Completed 4 Yr. College
5. ☐ Completed Graduate School

Product purchased

1. ☐ Cassette Player
2. ☐ CD Player
3. ☐ MD Player
4. ☐ DVD Player
5. ☐ CD Changer
6. ☐ Amplifier
7. ☐ Speaker
8. ☐ Subwoofer
9. ☐ Monitor Controller
10. ☐ Video Monitor
11. ☐ Navigation
12. ☐ Mobile Mayday
13. ☐ Video Tape Player
14. ☐ Processor/Equalizer
15. ☐ Security
16. ☐ Other _____

Model Number: _____

Serial Number: _____

Date of Purchase:

Month: _____ Year: _____

If navigation system, which monitor?

1. ☐ Alpine → (Model No.) _____
2. ☐ Other → (Brand Name) _____

Purpose of buying this unit?

1. ☐ Addition
2. ☐ Replacement → ***Previous brand replaced?**
   1. ☐ Factory installed
   2. ☐ Alpine
   3. ☐ Other _____

Have you purchased Alpine products before?

1. ☐ First time 2. ☐ Two or more times

When you purchased this Alpine unit, did you compare it with other brands?

1. ☐ Yes ↓ (Brand Name) _____ 2. ☐ No.

Which of the following statements best describes you?

1. ☐ I usually have more electronic equipment than my friends
2. ☐ I am usually one of the first of my friends to buy the newest electronic equipment
3. ☐ I usually wait until a product has been out for a while before I purchase it
4. ☐ I am usually on of the first of my friends to know about the newest car
5. ☐ I usually know more about cars than my friends

Occupation

1. ☐ Executive/Managerial
2. ☐ Secretarial/Clerical
3. ☐ Sales
4. ☐ General Labor
5. ☐ Professional
6. ☐ Engineering/Technical
7. ☐ Farming/Fishing
8. ☐ Retired
9. ☐ Student
10. ☐ Other_____

Household Income

1. ☐ Less than $30,000
2. ☐ $30,000 - $50,000
3. ☐ $50,000 - $70,000
4. ☐ $70,000 - $90,000
5. ☐ $90,000 - $110,000
6. ☐ Over $110,000

Type of vehicle in which this unit is installed.

Make: _____ Model: _____

Purchased Year: _____ Model Year: _____

How was this vehicle purchased?

1. ☐ Bought 2. ☐ Leased

SEAL HERE

Thank you for your cooperation! We value your privacy. This information will remain confidential with Alpine and its affiliates.

Customer Care Registration is for Product registration.
Failure to complete and return this card does not diminish your warranty rights.

PART NO. 68P04190K17-A
M3544084010

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 320 TORRANCE CA

POSTAGE WILL BE PAID BY ADDRESSEE

ATTENTION MARKETING SERVICES
ALPINE ELECTRONICS OF AMERICA INC
PO BOX 2859
TORRANCE CA 90509-9939

↑ FOR USE IN USA, PLEASE FOLD HERE AND ENSURE THAT AMERICAN ADDRESS FACES UP.

↓ FOR USE IN CANADA, PLEASE FOLD HERE AND ENSURE THAT CANADIAN ADDRESS FACES UP.

ALPINE ELECTRONICS
19145 GRAMERCY PL
TORRANCE CA 90501-9876
UNITED STATES OF AMERICA

POSTAGE WILL BE PAID BY ADDRESSEE

PERMIT NO. 320 TORRANCE CA

INTERNATIONAL BUSINESS REPLY MAIL/REPONSE PAYEE

IBRS/CCRI No. 320

AIR MAIL
PAR AVION

NO POSTAGE
NECESSARY
IF MAILED
TO THE
UNITED STATES

NE PAS AFFRANCHIR

GARANTIE LIMITÉE

Fidèles à leur engagement de ne fournir que des produits de qualité, ALPINE ÉLECTRONIQUE DE L'AMÉRIQUE, INC. et ALPINE ÉLECTRONIQUE DU CANADA, INC. (Alpine) sont heureuses de vous offrir cette garantie. Nous vous suggérons de le lire attentivement et en entier. Si vous avez la moindre question, veuillez contacter l'un de nos concessionnaires ou appeler directement Alpine aux numéros listés ci-dessous.

●PRODUITS COUVERTS PAR LA GARANTIE

Cette garantie couvre les produits audio de voiture et les accessoires connexes ("le produit"). Elle ne couvre les produits que dans le pays où ils ont été achetés.

●DURÉE DE LA GARANTIE

Cette garantie est en vigueur pendant un an à partir de la date du premier achat du client.

●PERSONNES PROTÉGÉES PAR LA GARANTIE

Seul l'acheteur original du produit, s'il résisde aux États-Unis, à Porto Rico ou au Canada, peut se prévaloir de la garantie.

●CE QUI EST COUVERT

Cette garantie couvre tous les défauts de matériaux et de fabrication (pièces et main d'œuvre) du produit.

●CE QUI N'EST PAS COUVERT

Cette garantie ne couvre pas ce qui suit:

① Les dommages survenus durant le transport des produits renvoyés à Alpine pour être réparés (les réclamations doivent être adressées au transporteur);

② Les dégâts provoqués par un accident ou une mauvaise utilisation, y compris des bobines acoustiques grillées suite à une surexcitation des enceintes (augmentation du niveau de l'amplificateur jusqu'à atteindre un effet de distorsion ou d'écrêtage), une défaillance mécanique des enceintes (perforations, déchirures ou fentes), panneaux LCD fissurés ou endommagés, disques durs endommagés ou ayant subi une chute.

③ Tout dégât provoqué par négligence, usage inapproprié, mauvaise utilisation ou par le non-respect des instructions indiquées dans le manuel de l'utilisateur.

④ Les dommages dus à la force majeure, notamment aux tremblements de terre, au feu, aux inondations, aux tempêtes ou aux autres cataclysmes naturels;
Les frais ou les dépenses relatifs à l'enlèvement ou à la réinstallation du produit;

⑤ Les services rendus par une personne, physique ou morale non autorisée;

⑥ Les produits dont le numéro de série a été effacé, modifié ou retiré;

⑦ Les produits qui ont été adaptés ou modifiés sans le consentement d'Alpine;

⑧ Les produits qui ne sont pas distribués par Alpine aux Etats-Unis, à Porto Rico ou au Canada;

⑨ Les produits qui n'ont pas été achetés par l'entremise d'un concessionnaire Alpine autorisé;

●COMMENT SE PRÉVALOIR DE LA GARANTIE

① Il vous faut remettre le produit nécessitant des réparations à un centre de service autorisé Alpine ou à Alpine même et en assumer les frais de transport. Alpine a le choix entre réparer le produit ou le remplacer par un produit neuf ou révisé, le tout sans frais pour vous. Si les réparations sont couvertes par la garantie et si le produit a été envoyé à un centre de service Alpine ou à Alpine, le paiement des frais de réexpédition du produit incombe Alpine.

② Vous devez donner une description détaillée des problèmes qui sont à l'origine de votre demande de réparation.

③ Vous devez joindre la preuve de votre achat du produit.

④ Vous devez emballer soigneusement le produit pour éviter tout dommage durant son transport. Pour éviter la perte de l'envoi, il est conseillé de choisir un transporteur qui propose un service de suivi des envois.

●LIMITATION DES GARANTIES TACITES

LA DURÉE DE TOUTES LES GARANTIES TACITES, Y COMPRIS LA GARANTIE D'ADAPTATION À L'UTILISATION ET LA GARANTIE DE QUALITÉ LOYALE ET MARCHANDE, EST LIMITÉE À CELLE DE LA GARANTIE EXPRESSE DÉTERMINÉE CI-DESSUS. PERSONNE N'EST AUTORISÉ À ENGAGER AUTREMENT LA RESPONSABILITÉ D'ALPINE EN VERTU DE LA VENTE D'UN PRODUIT.

●EXCLUSIONS DE LA GARANTIE

ALPINE STIPULE EXPRESSÉMENT QU'ELLE N'EST PAS RESPONSABLE DES DOMMAGES-INTÉRÊTS ET DOMMAGES INDIRECTS PROVOQUÉS PAR LE PRODUIT. LES DOMMAGES-INTÉRÊTS SONT LES FRAIS DE TRANSPORT DU PRODUIT VERS UN CENTRE DE SERVICE ALPINE, LA PERTE DE TEMPS DE L'ACHETEUR ORIGINAL, LA PERTE D'UTILISATION DU PRODUIT, LES BILLETS D'AUTOBUS, LA LOCATION DE VOITURES ET TOUS LES AUTRES FRAIS LIÉS À LA GARDE DU PRODUIT.
LES DOMMAGES INDIRECTS SONT LES FRAIS DE RÉPARATION OU DE REMPLACEMENT D'AUTRES BIENS ENDOMMAGÉS SUITE AU MAUVAIS FONCTIONNEMENT DU PRODUIT.
LES RECOURS PRÉVUS PAR LES PRÉSENTES EXCLUENT ET REMPLACENT TOUTE AUTRE FORME DE RECOURS.

●LIEN ENTRE LA GARANTIE ET LA LOI

La garantie vous donne des droits spécifiques, mais vous pouvez aussi jouir d'autres droits, qui varient d'un état ou d'une province à l'autre. En outre, certains états et certaines provinces interdisent de limiter la durée des garanties tacites ou d'exclure les dommages accessoires ou indirects. Dans ce cas, les limites et les exclusions de la garantie peuvent ne pas s'appliquer à vous.

●CLAUSE APPLICABLE AU CANADA SEULEMENT

Pour que la garantie soit valable, il faut qu'un centre d'installation autorisé ait installé le système audio pour l'auto dans votre véhicule et qu'il ait ensuite apposé son cachet sur la garantie.

●NUMÉROS D'APPEL DU SERVICE À LA CLIENTÈLE

Si vous avez besoin de nos services, veuillez appeler Alpine aux numéros ci-dessous pour le centre de service autorisé Alpine le plus proche.

AUDIO DE VOITURE	**1-800-ALPINE-1 (1-800-257-4631)**
NAVIGATION	**1-888-NAV-HELP (1-888-628-4357)**

Ou visitez notre site Web à l'adresse http://www.alpine-usa.com

ALPINE ÉLECTRONIQUE DE L'AMÉRIQUE, INC., 19145 Gramercy Place, Torrance, California 90501, U.S.A.
ALPINE ÉLECTRONIQUE DU CANADA, INC., 777 Supertest Road, Toronto, Ontario M3J 2M9, Canada
N'envoyez aucun produit à ces adresses.
Appelez notre numéro gratuit ou visitez notre site Web si vous recherchez un centre de service.

LIMITED WARRANTY

ALPINE ELECTRONICS OF AMERICA, INC. AND ALPINE OF CANADA INC. ("Alpine"), are dedicated to quality craftsmanship and are pleased to offer this Warranty. We suggest that you read it thoroughly. Should you have any questions, please contact your Dealer or contact Alpine at one of the telephone numbers listed below.

●PRODUCTS COVERED:

This Warranty covers Car Audio Products and Related Accessories ("the product"). Products purchased in the Canada are covered only in the Canada. Products purchased in the U.S.A. are covered only in the U.S.A.

●LENGTH OF WARRANTY:

This Warranty is in effect for one year from the date of the first consumer purchase.

●WHO IS COVERED:

This Warranty only covers the original purchaser of the product, who must reside in the United States, Puerto Rico or Canada.

●WHAT IS COVERED:

This Warranty covers defects in materials or workmanship (parts and labor) in the product.

●WHAT IS NOT COVERED:

This Warranty does not cover the following:

① Damage occurring during shipment of the product to Alpine for repair (claims must be presented to the carrier).
② Damage caused by accident or abuse, including burned voice coils caused by over-driving the speaker (amplifier level is turned up and driven into distortion or clipping). Speaker mechanical failure (e.g. punctures, tears or rips). Cracked or damaged LCD panels. Dropped or damaged hard drives.
③ Damage caused by negligence, misuse, improper operation or failure to follow instructions contained in the Owner's manual.
④ Damage caused by act of God, including without limitation, earthquake, fire, flood, storms or other acts of nature.
Any cost or expense related to the removal or reinstallation of the product.
⑤ Service performed by an unauthorized person, company or association.
⑥ Any product which has the serial number defaced, altered or removed.
⑦ Any product which has been adjusted, altered or modified without Alpine's consent.
⑧ Any product not distributed by Alpine within the United States, Puerto Rico or Canada.
⑨ Any product not purchased from an Authorized Alpine Dealer.

●HOW TO OBTAIN WARRANTY SERVICE:

① You are responsible for delivery of the product to an Authorized Alpine Service Center or Alpine for repair and for payment of any initial shipping charges. Alpine will, at its option, repair or replace the product with a new or reconditioned product without charge. If the repairs are covered by the warranty, and if the product was shipped to an Authorized Alpine Service Center or Alpine, Alpine will pay the return shipping charges.
② You should provide a detailed description of the problem(s) for which service is required.
③ You must supply proof of your purchase of the product.
④ You must package the product securely to avoid damage during shipment. To prevent lost packages it is recommended to use a carrier that provides a tracking service.

●HOW WE LIMIT IMPLIED WARRANTIES:

ANY IMPLIED WARRANTIES INCLUDING FITNESS FOR USE AND MERCHANTABILITY ARE LIMITED IN DURATION TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE AND NO PERSON IS AUTHORIZED TO ASSUME FOR ALPINE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT.

●HOW WE EXCLUDE CERTAIN DAMAGES:

ALPINE EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. THE TERM "INCIDENTAL DAMAGES" REFERS TO EXPENSES OF TRANSPORTING THE PRODUCT TO THE ALPINE SERVICE CENTER, LOSS OF THE ORIGINAL PURCHASER'S TIME, LOSS OF THE USE OF THE PRODUCT, BUS FARES, CAR RENTALS OR OTHERS COSTS RELATING TO THE CARE AND CUSTODY OF THE PRODUCT. THE TERM "CONSEQUENTIAL DAMAGES" REFERS TO THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED WHEN THIS PRODUCT DOES NOT WORK PROPERLY. THE REMEDIES PROVIDED UNDER THIS WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS.

●HOW STATE/PROVINCIAL LAW RELATES TO THE WARRANTY:

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province. In addition, some states/provinces do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, limitations as to these matters contained herein may not apply to you.

●IN CANADA ONLY:

This Warranty is not valid unless your Alpine car audio product has been installed in your vehicle by an Authorized Installation Center, and this warranty stamped upon installation by the installation center.

●HOW TO CONTACT CUSTOMER SERVICE:

Should the product require service, please call the following number for your nearest Authorized Alpine Service Center.

CAR AUDIO 1-800-ALPINE-1 (1-800-257-4631)
NAVIGATION1-888-NAV-HELP (1-888-628-4357)

Or visit our website at; http://www.alpine-usa.com

ALPINE ELECTRONICS OF AMERICA, INC., 19145 Gramercy Place, Torrance, California 90501, U.S.A.
ALPINE ELECTRONICS OF CANADA, INC., 777 Supertest Road, Toronto, Ontario M3J 2M9, Canada
Do not send products to these addresses.
Call the toll free telephone number or visit the website to locate a service center.

68-00493Z72-A (Y)
M3544091010